

# RACHNA

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

## Training #28: Two-Days Training Programme on

**'Innovative Construction Technologies & Best Construction practices'**

**Location: Bengaluru | Date : 09<sup>th</sup> & 10<sup>th</sup> June | Time : 10:30 AM to 5:30 PM**

### ABOUT THE TRAINING:

The Ministry of Housing & Urban Affairs (MoHUA) in partnership with GIZ and the Building Material and Technology Promotion Council (BMTPC) is hosting a series of pieces of training/workshops on Innovative Construction Technologies & Thermal Comfort for Affordable Housing named **RACHNA** (Resilient, Affordable and Comfortable Housing through National Action). The main focus of the training is thermal comfort and its necessity in the affordable housing sector. The training covers the innovative new construction technologies that are available especially in India to create Climate-Smart Buildings. The outcome of the training would be to make the contractors, masons, and field workers expertise in the current technologies & best construction practices.

### JOIN US AT:

**Renaissance Reserva,  
Bengaluru, Karnataka**

*For Further Details, Please drop an email to  
Mr Anand Sachithanatham;  
Chennai.gizCSBcell@gmail.com ;*

### TARGET STAKEHOLDERS



**Building Sector  
Stakeholders**

## 'Innovative Construction Technologies & Best Construction practices'

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### AGENDA – FIRST DAY

DURATION	TOPIC	SPEAKER
10:30-11:00	Welcome Address	CSB Cell
	Trainer Introduction	CSB Cell
<b>High Tea &amp; Networking</b>		
<p>11:15 am - 01:00 pm [ Batch 1]</p> <p>02:30 pm – 04:30 pm [ Batch 2]</p>	<p><b>Vocational Training</b></p> <ul style="list-style-type: none"> <li>• LHP Chennai and its Construction technology - Precast Components Assembled at Site</li> <li>• GHTC: Brief explanation of other LHP construction technologies (GHTC videos)</li> </ul> <ol style="list-style-type: none"> <li>1. Prefabricated Sandwich Panel System – Indore, Madhya Pradesh</li> <li>2. Precast Concrete Construction System – 3D Volumetric – Ranchi, Jharkhand</li> <li>3. Light Gauge Steel Structural System &amp; Pre-engineered Steel Structural System – Agartala, Tripura</li> <li>4. Monolithic Concrete Construction using Tunnel Formwork – Rajkot, Gujarat</li> <li>5. PVC Stay in Place Formwork System – Lucknow, Uttar Pradesh</li> </ol> <p><b>Construction Technology Process:</b></p> <ol style="list-style-type: none"> <li>1. Site Excavation and Stabilization – Excavation and Stabilization Process, hazards, protective methods during construction, Consolidation, Compaction, and Transportation</li> <li>2. Column laying and structure – Types, defects in construction and preventive measures, Retaining walls, Soil nailing, Mortar, and Filling, Reinforcement</li> <li>3. Masonry - AAC construction and other walling construction apart from Brick, Types of Bonding, Pavers, Mortar</li> <li>4. Plastering &amp; Finishes – Plastering and Painting</li> <li>5. Improving Efficiency in construction – Defects in construction, avoiding cracks, infiltration, and reduction in wastage during construction</li> </ol>	Trainer – Ms Hamsalatha – Pithavadian & Partners
04:30-5:30	Q & A	

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### AGENDA - SECOND DAY

DURATION	TOPIC	SPEAKER
<p>10:30 am – 12:30 pm [ Batch 3]</p> <p>02:00 pm – 04:00 pm [ Batch 4]</p>	<p><b>Vocational Training</b></p> <ul style="list-style-type: none"> <li>LHP Chennai and its Construction technology - Precast Components Assembled at Site</li> <li>GHTC: Brief explanation of other LHP construction technologies (GHTC videos)</li> </ul> <ol style="list-style-type: none"> <li>Prefabricated Sandwich Panel System – Indore, Madhya Pradesh</li> <li>Precast Concrete Construction System – 3D Volumetric – Ranchi, Jharkhand</li> <li>Light Gauge Steel Structural System &amp; Pre-engineered Steel Structural System – Agartala, Tripura</li> <li>Monolithic Concrete Construction using Tunnel Formwork – Rajkot, Gujarat</li> <li>PVC Stay in Place Formwork System – Lucknow, Uttar Pradesh</li> </ol> <p><b>Construction Technology Process:</b></p> <ol style="list-style-type: none"> <li>Site Excavation and Stabilization – Excavation and Stabilization Process, hazards, protective methods during construction, Consolidation, Compaction, and Transportation</li> <li>Column laying and structure – Types, defects in construction and preventive measures, Retaining walls, Soil nailing, Mortar, and Filling, Reinforcement</li> <li>Masonry - AAC construction and other walling construction apart from Brick, Types of Bonding, Pavers, Mortar</li> <li>Plastering &amp; Finishes – Plastering and Painting</li> <li>Improving Efficiency in construction – Defects in construction, avoiding cracks, infiltration, and reduction in wastage during construction</li> </ol>	<p>Trainer – Ms Hamsalatha – Pithavadian &amp; Partners</p>
04:30 pm - 05:00 pm	Q&A and feedback	Climate Smart Buildings (CSB) Cell
05:00 pm – 05:30 pm	Vote of Thanks	GIZ / Climate Smart Buildings (CSB) Cell